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|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------|
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b> |                                           | ATTORNEY'S DOCKET NUMBER<br>30740/285906                            |
|                                                                                                                                         |                                           | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/518286</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/GB03/02550                                                                                         | INTERNATIONAL FILING DATE<br>12 June 2003 | PRIORITY DATE CLAIMED<br>18 June 2002                               |
| TITLE OF INVENTION Display Driver Circuits for Electroluminescent Displays, Using Constant Current Generators                           |                                           |                                                                     |
| APPLICANT(S) FOR DO/EO/US Paul R. Routley et al.                                                                                        |                                           |                                                                     |

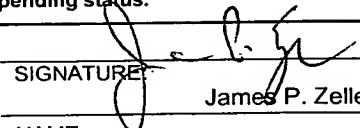
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
- ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
- ☒ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
- ☐ The US has been elected (Article 31).
- ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - ☒ is attached hereto (required only if not communicated by the International Bureau).
  - ☒ has been communicated by the International Bureau.
  - ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
- ☐ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
  - ☐ is attached hereto.
  - ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
- ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - ☐ are attached hereto (required only if not communicated by the International Bureau).
  - ☐ have been communicated by the International Bureau.
  - ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - ☒ have not been made and will not be made.
- ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
- ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
- ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

- ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
- ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
- ☒ A preliminary amendment.
- ☐ An Application Data Sheet under 37 CFR 1.76.
- ☐ A substitute specification.
- ☐ A power of attorney and/or change of address letter.
- ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
- ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
- ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
- ☒ Other items or information: International search report; return receipt postal card

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|                                                                                                                                                                                                                                                                            |                             |                                                                               |                     |                                                                                      |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------|----------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><b>10/518286</b>                                                                                                                                                                                                        |                             | INTERNATIONAL APPLICATION NO.<br>PCT/GB03/02550                               |                     | ATTORNEY'S DOCKET NUMBER<br>30740/285906                                             |          |
| 21. The following fees are submitted:                                                                                                                                                                                                                                      |                             |                                                                               |                     |                                                                                      |          |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                        | a) Basic national fee ..... | \$300.00                                                                      |                     | \$                                                                                   | 300.00   |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                        | b) Examination fee .....    | \$200.00                                                                      |                     | \$                                                                                   | 200.00   |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                        | c) Search fee .....         | \$500.00                                                                      |                     | \$                                                                                   | 500.00   |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>                                                                                                                                                                                                                                       |                             |                                                                               |                     | \$                                                                                   | 1,000.00 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |                             |                                                                               |                     |                                                                                      |          |
| Total Sheets                                                                                                                                                                                                                                                               | Extra sheets                | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE                |                                                                                      |          |
| - 100 =                                                                                                                                                                                                                                                                    | /50 =                       |                                                                               | x \$250.00          |                                                                                      |          |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).                                                                                                                              |                             |                                                                               |                     | \$                                                                                   |          |
| CLAIMS                                                                                                                                                                                                                                                                     | NUMBER FILED                | NUMBER EXTRA                                                                  | RATE                |                                                                                      |          |
| Total claims                                                                                                                                                                                                                                                               | 7 - 20 =                    | 7                                                                             | x 50.00             | \$                                                                                   | 350.00   |
| Independent claims                                                                                                                                                                                                                                                         | 2 - 3 =                     | 0                                                                             | x                   | \$                                                                                   |          |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable)                                                                                                                                                                                                                                |                             |                                                                               | +                   | \$                                                                                   |          |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>                                                                                                                                                                                                                                       |                             |                                                                               |                     | \$                                                                                   | 1,350.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.                                                                                                                                               |                             |                                                                               |                     | \$                                                                                   |          |
| <b>SUBTOTAL =</b>                                                                                                                                                                                                                                                          |                             |                                                                               |                     | \$                                                                                   | 1,350.00 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).                                                                                                                         |                             |                                                                               |                     | \$                                                                                   |          |
| <b>TOTAL NATIONAL FEE =</b>                                                                                                                                                                                                                                                |                             |                                                                               |                     | \$                                                                                   | 1,350.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property                                                                                                    |                             |                                                                               |                     | \$                                                                                   |          |
| <b>TOTAL FEES ENCLOSED =</b>                                                                                                                                                                                                                                               |                             |                                                                               |                     | \$                                                                                   | 1,350.00 |
|                                                                                                                                                                                                                                                                            |                             |                                                                               |                     | Amount to be refunded:                                                               | \$       |
|                                                                                                                                                                                                                                                                            |                             |                                                                               |                     | Amount to be charged:                                                                | \$       |
| a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1,350.00</u> to cover the above fees is enclosed.                                                                                                                                                    |                             |                                                                               |                     |                                                                                      |          |
| b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.                                                                                                      |                             |                                                                               |                     |                                                                                      |          |
| c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-2855</u> . A duplicate copy of this sheet is enclosed.                            |                             |                                                                               |                     |                                                                                      |          |
| d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.        |                             |                                                                               |                     |                                                                                      |          |
| <b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.                                                     |                             |                                                                               |                     |                                                                                      |          |
| SEND ALL CORRESPONDENCE TO:                                                                                                                                                                                                                                                |                             |                                                                               |                     |                                                                                      |          |
|                                                                                                                                                                                                                                                                            |                             |                                                                               | SIGNATURE           |  |          |
|                                                                                                                                                                                                                                                                            |                             |                                                                               | NAME                | James P. Zeller                                                                      |          |
| CUSTOMER NUMBER: 04743                                                                                                                                                                                                                                                     |                             |                                                                               | 28,491              |                                                                                      |          |
|                                                                                                                                                                                                                                                                            |                             |                                                                               | REGISTRATION NUMBER |                                                                                      |          |

16 DEC 2004

10/518286  
DT05 Rec'd PCT/PTO 16 DEC 2004

PATENT


**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

|                                    |   |                                  |
|------------------------------------|---|----------------------------------|
| Applicants: Routley et al.         | ) | For: DISPLAY DRIVER CIRCUITS FOR |
|                                    | ) | ELECTROLUMINESCENT DISPLAYS,     |
| U.S. National Phase of             | ) | USING CONSTANT CURRENT           |
| PCT/GB03/02550 filed June 12, 2003 | ) | GENERATORS                       |
|                                    | ) |                                  |
| Filed: Herewith                    | ) | Group Art Unit: To be assigned   |
|                                    | ) |                                  |
|                                    | ) | Examiner: To be assigned         |
|                                    | ) |                                  |

**CERTIFICATION UNDER 37 C.F.R. § 1.10**

I hereby certify that the attached five items (a) through (e) are being deposited with the United States Postal Service on December 16, 2004, in a postage-paid envelope addressed to Commissioner for Patents, Mail Stop PCT, P.O. Box 1450, Alexandria, VA 22313-1450 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EV323770889US.

- (a) Transmittal letter to the United States Designated/Elected Office (DO/EO/US) concerning a filing under 35 U.S.C. §371;
- (b) Application, including twenty five sheets of description, five sheets of claims, and 10 sheets of drawings;
- (c) Preliminary Amendment;
- (d) Information Disclosure Statement; and
- (e) International Search Report.

  
Richard Zimmermann

10/518286

DT05 Rec'd PCT/PTO 16 DEC 2004

**FEE SUMMARY SHEET****Transmittal to US Designated-Elected Office (PTO 1390)**

Date: December 16, 2004  
Time: 8:06 AM  
Docket: 30740/285906

Filing Date: Concurrently Herewith  
Application No: Not Yet Assigned  
Total Fee: \$ 1,350.00

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| Code | Amount | 37 CFR | Fee Description                | Listed on                                              |
|------|--------|--------|--------------------------------|--------------------------------------------------------|
| 1631 | 300.00 | 1.492  | Basic National Stage fee       | Transmittal to US Designated-Elected Office (PTO 1390) |
| 1632 | 500.00 | 1.492  | National Stage search fee      | Transmittal to US Designated-Elected Office (PTO 1390) |
| 1633 | 200.00 | 1.492  | National Stage examination fee | Transmittal to US Designated-Elected Office (PTO 1390) |